

## CHAPTER 1

### GENERAL INFORMATION

#### A. PURPOSE

This Plan:

1. Implements policy in DoD Directive 5000.59 (reference (a) ), subsection D.2.
2. Establishes the DoD vision for DoD Modeling and Simulation (M&S) and a process for defining future M&S-based capabilities.
3. Outlines a strategy for achieving future DoD M&S-based capabilities.
4. Establishes a DoD M&S baseline to document current M&S capabilities and developments and as a reference to measure future progress.
5. Assigns implementation responsibilities.
6. Provides guidelines for development, cooperation, and coordination of DoD M&S efforts.
7. Is the initial step in an iterative process that provides for development of functional objectives, technology development road maps, and strategies for achieving current and future DoD M&S objectives.
8. Will provide, through successive iteration and refinement, a basis for the development of supporting plans and programs, including the DoD MSIP.
9. Establishes DoD M&S objectives, identifies actions, and, where possible, assigns responsibilities for accomplishing them.
10. Provides a basis for developing supporting plans and programs, including the DoD MSIP, and the DoD Component's M&S master and investment plans.
11. Provides justification for resource allocations to M&S within DoD Component programming and budgeting processes. Note: Chapter 4 milestones for actions are planning factors for execution of the various tasks. They may require adjustments based on delays in technology advancements and/or limitations in the Planning, Programming and Budgeting System (PPBS) process.
12. Fosters the integration of the defense and civilian M&S , bases into a unified national and international base using common standards, processes and methods.

## B. RESPONSIBILITIES

1. The Under Secretary of Defense for Acquisition and Technology shall:

a. Through iterative development and implementation of the Department of Defense Modeling and Simulation Master Plan (MSMP) and MSIP, strengthen the uses of M&S across the missions and functions of the Department of Defense.

b. Develop supporting plans, programs, policies, and procedures for DoD M&S to support the DoD MSMP and MSIP, in coordination with the DoD Components, as required.

c. Review the DoD MSMP as needed to support the PPBS cycle and coordinate changes with the DoD Components.

d. Develop and implement a DoD MSIP, update it-as required and coordinate that plan with the DoD Components.

e. Establish a DoD M&S Resource Repository (MSRR) system.

f. Establish a DoD M&S Information Analysis Center to support and enhance the coordination of DoD M&S developments.

g. Through the DoD Executive Council for Modeling and Simulation (EXCIMS):

(1) Recommend new and/or revised DoD M&S objectives and the strategies, plans, programs, and investments to achieve them for incorporation into revisions of the DoD MSMP and/or MSIP.

(2) Evaluate and recommend that the DoD Components be designated as a DoD M&S Executive Agents (MSEAs), as required.

(3) Foster programs to develop and, where applicable, implement DoD M&S interoperability standards and protocols that support the DoD MSMP and MSIP.

h. Oversee implementation of the DoD MSMP and MSIP, and ensure these plans are resourced to meet objectives.

i. Designate Principal Staff Assistants (PSAs) or Heads of the DoD Components, as appropriate, as "Primary Responsibility" (PR) for all actions not yet assigned in this plan.

j. Take action on all Chapter 4 actions where the Under Secretary of Defense for Acquisition & Technology (USD(A&T)) (or its subordinate organizations) is identified as the agent for PR.

k. Through the Director, Defense Research and Engineering:

(1) As Chair of the EXCIMS, monitor implementation and execution of the DoD MSMP and MSIP and provide the USD(A&T) periodic progress reports.

(2) Provide EXCIMS-developed recommendations regarding new DoD M&S objectives and changes to the DoD MSMP and/or MSIP to the USD(A&T) .

(3) Through the Director, Defense Modeling and Simulation Office (DMSO):

(a) Be the full-time DoD focal point for the maintenance of the MSMP and MSIP as outlined in Appendix Y, Plan Maintenance.

(b) Establish Modeling and Simulation Working Group (MSWG) Sub Working Groups, and Task Forces as needed to support the development and implementation of the DoD MSMP and MSIP .

(c) Staff and distribute changes and revisions to DoD M&S plans, programs, policies, procedures, and DoD Publications that support the DoD MSMP and MSIP.

2. The Assistant Secretary of Defense for Command, Control, Communications, and Intelligence shall:

a. Ensure that current and planned Command, Control, Communications, and Intelligence (C3I) systems and M&S, as appropriate, are compatible.

b. Through the Director, Defense Information Systems Agency (DISA), ensure that:

(1) Current and planned new developments or modifications to the existing DoD communications infrastructure and DoD M&S are compatible.

(2) New or modified DoD communications and DoD M&S standards and M&S protocols are compatible.

c. Through the Director of the Defense Intelligence Agency, coordinate intelligence-related support for this plan with the U.S. intelligence community.

d. Through the Director, Defense Mapping Agency (DMA), as the DoD MSEA for Terrain, take actions where assigned as "PR" in Chapter 4.

e. Take actions as needed to implement responsibilities assigned to a PSA, as outlined in subsection B.3., below.

3. The Office of the Secretary of Defense Principal Staff Assistants shall:

a. Assist, as appropriate and able within their resource constraints, in the development, revision, and budget execution of the DoD MSMP and MSIP.

b. Plan and provide resources to carry out their functional M&S responsibilities in support of the DoD MSMP and MSIP according to PSA priorities.

c. In coordination with the DoD Components, develop M&S functional objectives and supporting investment programs, as required.

d. In coordination with the DoD Components, develop M&S functional area appendices to the DoD MSMP and MSIP, as required.

e. Review, coordinate, and approve DoD M&S plans, programs, policies, procedures, and DoD Publications that support the DoD MSMP and MSIP.

f. When designed as a DoD MSEA, assume DoD-wide responsibility for managing DoD common- or general-use M&S applications, including the development of relevant standards, protocols, and data bases, in response to guidance from the USD(A&T) .

g. Establish elements of the DoD MSRR system, as appropriate.

h. Assume, as appropriate, DoD Component responsibilities as stated in subsection B.4., below.

i. Take action, as appropriate, on all Chapter 4 actions where identified as PR.

4 . The Heads of the DoD Components shall:

a. Assist, as appropriate and able within their resource constraints, in the development revision, and budget execution of the DoD MSMP and MSIP.

b. In coordination with the other DoD Components, develop M&S functional area appendices to the DoD MSMP as required. Plan, program, and provide resources to carry out their M&S responsibilities in support of the DoD MSMP and MSIP.

c. Review, coordinate, and approve DoD M&S plans, programs, policies, procedures, and DoD Publications that support the DoD MSMP and MSIP.

d. Publish a MSMP and MSIP that supports objectives in the DoD MSMP and MSIP.

e. Establish elements of the DoD MSRR system, as appropriate.

f. Foster joint and/or cooperative M&S development with the other DoD Components in support of the DoD MSMP and MSIP objectives.

g. Ensure that their M&S master and investment plans support this plan.

h. Annually, or upon change or revision, provide the USD(A&T) copies of their current M&S Master Plan and Investment Plan.

i. Identify their M&S requirements, projected over the next 6 years, to the USD(A&T) within 6 months of the publication of this document, and provide updates as changes occur.

j. Take action(s), as appropriate, for all Chapter 4 actions where the DoD Components and/or any of their subordinate organizations is identified as the agent for PR.

5. The Chairman of the Joint Chiefs of Staff shall:

a. Coordinate and manage the execution of this plan with the Unified Combatant Coremands (UCCs).

b. In coordination with the UCCS, develop a consolidated and prioritized listing of joint validated operational requirements that might be fulfilled through M&S and provide it to the USD(A&T) .

c. In coordination with the UCCS and through the EXCIMS, propose new DoD M&S objectives and investments to the USD(A&T) for incorporation in the DoD MSMP and MSIP.

d. In coordination with the UCCS, document M&S benefits and report them to the USD(A&T) .

e. Execute DoD Component responsibilities stated in subsection B.4., above.

6. The Commanders-in-Chief of the Unified Combatant Commands, shall:

a. Coordinate and execute assigned responsibilities of this plan through the Chairman of the Joint Chiefs. of Staff.

b. - Identify and validate operational requirements that might be fulfilled through M&S to the Chairman of the Joint Chiefs of Staff for consolidation and prioritization.

c. Through the Chairman of the Joint Chiefs of Staff, propose new DoD M&S objectives and investments for forwarding to the USD(A&T) and possible incorporation into the DoD MSMP and MSIP.

d. Provide inputs to the Chairman of the Joint Chiefs of Staff on benefits of M&S in their commands.

e. Prepare supporting plans to implement the DoD MSMP and MSIP within their commands.

7. The Director, Operational Test and Evaluation, shall:

a. In coordination with the USD(A&T) and other DoD Components, develop M&S policy for application to operational test and evaluation.

b. Assume DoD Component responsibilities stated in subsection B.4., above.